

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-18-40  
Relating to Certification of New Motor Vehicles

VOLVO CAR CORPORATION

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1985 model-year Volvo Car Corporation exhaust emission control systems are certified as described below for diesel-powered passenger cars:

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
FVV2.4D6JNF2	145 (2.4)	Exhaust Gas Recirculation (Diesel Injection - Prechamber) (Turbocharged)

Vehicle models, transmissions and engine codes are listed on attachments.

The following are the emission standards for this engine family:

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per mile</u>	<u>Particulates Grams per Mile</u>
0.41	7.0	1.0	0.4

The following are the certification emission values for this engine family:

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>	<u>Particulates Grams per Mile</u>
0.21	1.5	0.8	0.3

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1981 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 2nd day of November, 1984



K. D. Drachand, Chief  
Mobile Source Division

Manufacturer Volvo Car Corporation Executive Order No. A-18-40  
 Engine Family FVV2.4D6JNF2 Evaporative Family NA  
 Engine CID (Liters) 2.4 Liter

ABBREVIATIONS

Ignition System

Exhaust Emissions Control System

Special Features

CA-Centrifugal Advance  
 EC-Electronic Engine Control  
 EI-Electronic Ignition  
 ESAC-Electronic Spark Advance Control  
 VA-Vacuum Advance  
 VR-Vacuum Retard

AIP-Air Injection-Pump  
 AIV-Air Injection-Valve  
 CL-Closed Loop  
 EGR-Exhaust Gas Recirculation  
 EM-Engine Modification  
 OC-Oxidation Catalyst System  
 TR-Thermal Reactor  
 TWC-Three-Way Catalyst System

CCV-Combustion Chamber Valve  
 CFI-Central Fuel Injection  
 DID-Diesel Injection-Direct  
 DIP-Diesel Injection-Prechamber  
 EFI-Electronic Fuel Injection  
 MFI-Mechanical Fuel Injection  
 TC-Turbocharged

Fuel System

CFI, CL, DID, DIP, EFI, MFI  
 nV-nVenturi Carburetor  
 VV-Variable Venturi

VEHICLE MODELS:

<u>Model</u>	<u>Body</u>	<u>Trans</u>	<u>ETW</u>	<u>RLHp</u>
760 GLE Turbo Diesel	4-door	L4	3500	9.5

DRIVE SYSTEM: Front Engine/ Rear -Wheel Drive

198 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. #A-18-40

Passenger Cars     Light-Duty Trucks     Medium-Duty Vehicles     Gas     Diesel

Manufacturer Volvo Car Corporation

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Engine Family FVV2.4D6JNF2

Engine Code JNF2:2

ECS (Special Features) (DIP) EGR, EM, (TC)

CID (Liter)-  
Type 2.4 Liter

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System Part No.	Fuel System Part No.	EGR Valve Part No.	Label Ident. Part No.
JNF2:2	760 GLE Turbo Diesel	L4	3500		Fuel Filter 1257200  Fuel Pump 1328692  Fuel Injector 1328209	EGR Valve 1328051	Vacuum Hose Label 1345405  Tune Up Label

ments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

\*Add 10% to dyno test HP for air conditioning usage.

Date of Issue -

**VOLVO**

08.13.00-1

E.O. # A-18-40

Eng. Fam. FVV2.4D6JNF2

Section 08.13.00 Vehicle Road Load

Engine family: EVV2.4 D6 JTF8

<u>Model</u>	<u>Test weight lbs</u>	<u>Tires</u>	<u>A/C</u>	<u>Coast down time</u>	<u>Dyno HP</u>
760 GLE	3500	Pirelli P8 185/65 R15	Yes	14.7	9.5

1984-06-14